

U.S. Department of Energy
Office of River Protection

P.O. Box 450
Richland, Washington 99352

0058955

MAR 11 2003

03-ED-037

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 W. Fourth Avenue
Kennewick, Washington 99336

Mr. A.W. Conklin, Head
Air Emissions and Defense
Waste Section
State of Washington
Department of Health
P.O. Box 47827
Olympia, Washington 98504

RECEIVED
MAR 13 2003
EDMC

Dear Addressees:

NOTICE OF CONSTRUCTION (NOC) REVISION AND MODIFICATION REQUEST
FORMS FOR TANK FARM EMISSION UNIT 244-A LIFT STATION 200E P-244A-001 (296-A-25) AND 241-E-152

In accordance with the Hanford Site Title V Air Operating Permit, the following forms for Tank Farm Emission Unit 244-A Lift Station 200E P-244A-001 (296-A-25) and 241-E-152 are attached:

- "Notice of Construction Application/Permit Revision" (Attachment 1)
- "Hanford Site Air Operating Permit, Minor Permit Modification Request" (Attachment 2)
- "Notification of Permit Modification Request to the U.S. Environmental Protection Agency, Region 10, The Tribes, and Affected States" (Attachment 3)

The U.S. Department of Energy requests the State of Washington Department of Ecology, consistent with its role as the permitting authority, implement the "Hanford Site Air Operating Permit, Minor Permit Modification Request," and process the "Notification of Permit Modification Request to the U.S. Environmental Protection Agency, Region 10, The Tribes, and Affected States," for the emission unit as described in Washington Administrative Code 173-401-725.

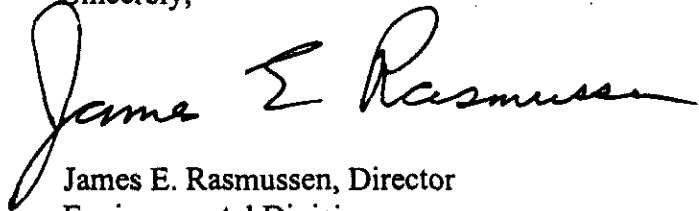
Addressees
03-ED-037

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MAR 11 2003

If you have any questions, please contact Dennis W. Bowser, of my staff, (509) 373-2566.

Sincerely,



James E. Rasmussen, Director
Environmental Division

ED:DWB

Attachments: (3)

cc w/o attaches

B. Erlandson, BNI

E. S. Aromi, CHG

W. T. Dixon, CHG

C. J. Kemp, CHG (w/attachs)

J. J. Luke, CHG

L. L. Penn, CHG

K. Tollefson, CHG

J. Cox, CTUIR

B. Becker-Khaleel, Ecology

S. L. Dahl, Ecology

J. L. Hensley, Ecology

J. J. Lyon, Ecology

O. S. Wang, Ecology (w/attachs)

J. A. Bates, FHI

W. E. Green, Jr., FHI (w/attachs)

J. L. Hanson, INNOV

P. Sobotta, NPT

M. F. Jarvis, RL

C. M. Lawrence, WDOH

J. J. Martell, WDOH Richland Office (4 copies)

R. Jim, YN

R. Lee, YN

Administrative Record (w/attachs)

Environmental Portal, LMSI

WDOH Richland Office

Attachment 1
03-ED-037

**Notice of Construction Application/Permit Revision for Tank Farm
Waste Transfer Pits 241-ER-152 and 244-A Lift Stations**

NOC Application/Permit Revision

NOTE: Any increase to abated or unabated PTE requires a full NOC modification

REASON FOR CHANGE

Submittal Date: 1/7/2003

Submittal Type: Letter Submittal

☒ **NOC Application Revision**

New NOC Rev Number: _____

☐ **Condition Change/ Clarification**

WDOH Condition Number: _____

AOP Condition Number: _____

☐ **ALARACT Revision**

New ALARACT Rev Number: _____

PROJECT IDENTIFICATION

Project Title: Tank Farm Waste Transfer Pits 241-ER-152 and 244-A Lift Stations

Current NOC Application Number: _____

AEI ID Number (AOP Emission Unit Number(s)): 200E P-244A-001 (244-A Lift Station)
Emission Unit ID 222

Current WDOH Approval Letter Number(s): AIR-99-204

WDOH NOC ID Number: 361230 (NOC ID 340)

DESCRIPTION OF CHANGE

Number of Attachments 0

WDOH will provide a new approval letter containing any new or modified conditions that result from the following proposed change.

Proposed Change (provide original and proposed wording):

Waste transfer pits are located at transfer piping network intersections and provide access from the surface to process piping and tank risers. Pits are the points where jumpers, pumps and other equipment are installed to establish waste transfer routings. Leak detection is provided in pits used during transfers.

The 244-A Lift Station, a Double Contained Receiver Tank (DCRT) is a type of waste transfer pit which, together with its related equipment, constitutes a short term storage facility for liquid waste and a pump pit for waste transfer operations.

Proposed changes include the following:

- (1) Section 5a. Facility Description, paragraph two, sentence two, "This DCRT is actively ventilated and consists of an underground concrete structure that contains a filter pit, pump pit and vault in which a receiver tank is installed."

Replace with

"This DCRT is passively ventilated and consists of an underground concrete structure that contains a filter pit, pump pit and vault in which a receiver tank is installed."

- (2) Section 5a, Facility Description, paragraph four, sentence three and four, "The exhaust fan design capacity is 150 cfm. Fan driven air exits to the atmosphere through stack 296-A-25."

Replace With

Replace With

"The DCRT is currently passively ventilates through the atmosphere through stack 296-A-25."

- (3) Section 5a, Facility Description, paragraph five remove completely.
- (4) Section 9, Monitoring, first paragraph remove completely.

SIGNATURES

Reviewed by Contractor	Reviewed by RL/ORP	Approved by WDOH
<i>Toni L. Faust</i>	<i>Don Boush</i>	<i>P. John Mouton</i>
<i>[Signature]</i>		
<i>[Signature]</i>		
Date: <i>1/07/03</i>	Date: <i>1/7/03</i>	Date: <i>1-23-03</i>

FOR WDOH USE ONLY

Data Entry Completed By: _____

Date: _____

Additional Conditions:

- ① Diffuse/Fugitive emissions shall be monitored using the 200 Area near-field ambient air monitors. Sample collection and analysis shall follow that of the near field monitoring program. Analytical results shall be reported in the Annual Air Emissions Report. Any change to this near-field ambient monitoring program must be approved by the department.
- ② The transfer of waste into the 244-A Double Contained Receiver Tank shall not occur without the operation of the 296-A-25 exhausters.

A new set of conditions and limitations will be issued.

Attachment 2
03-ED-037

Hanford Site Air Operating Permit, Minor Permit Modification
Request for Air Operating Permit Number 00-05-006

HANFORD SITE AIR OPERATING PERMIT

Minor Permit Modification Request

Permit Number 00-05-006

attach the completed Notification of Permit Modification Request Form to the EPA/tribes/affected state

Minor permit modifications are allowed under WAC 173-401-725 and meet the following criteria:

- Does not violate any applicable requirement
- Does not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit
- Is not a Title I modification.

Provide the following information pursuant to WAC-173-401-725(2)(b)

Description of the change:

Change in facility description from active ventilation to passive ventilation and removal of active ventilation monitoring no longer used.

Describe the emissions resulting from the change:

None

Describe the new applicable requirements that will apply as a result of the change:

None

Suggested Draft Permit Language:

for example:

- Monitoring/PCM that will be used to support compliance determination/certification
- Description of air pollution control equipment (abatement technology)
- Other controls such as limits on inventory, process limits such as throughput, hours of operation, or acceptance criteria, or other assumptions used in Potential to Emit calculations
- Other process descriptions that constitute a term or condition, such as reporting or recordkeeping requirements.

CERTIFICATION

Provide certification pursuant to (WAC 173-401-725(2)(b)(iii))

I certify that based on information and belief formed after reasonable inquiry of the person or persons who perform activities, or those persons directly responsible for gathering the information, the statements and information provided in this modification request are true, accurate, and complete. I also certify that the proposed modification meets the criteria for use of minor permit modification procedures, as hereby requested.

Responsible Official:

Title:

Signature:

Date:

For Hamford Site Use Only:

AOP Change Control Number:

Date Submitted:

Attachment 3
03-ED-037

**Notification of Permit Modification Request to the
U.S. Environmental Protection Agency, Region 10, The Tribes,
and Affected States for Air Operating Permit Number 00-05-006**

**NOTIFICATION OF PERMIT MODIFICATION REQUEST TO THE U.S. ENVIRONMENTAL
PROTECTION AGENCY, REGION 10, THE TRIBES, AND AFFECTED STATES**

Attached is a request to revise the Hanford Site Air Operating Permit. This form serves as notification to EPA, tribes, and affected states of a request for an Air Operating Permit Modification per WAC 173-401-725(2), (3) and (4).

Air Operating Permit Number: 00-05-006	
Source: U.S. Department of Energy, Richland Operations, Hanford Site	
Mailing Address: P.O. Box 550 Richland, WA 99352	Physical Address: 825 Jadwin Ave. Richland, WA 99352
Brief Description: A Notice of Construction (NOC ID # 340) to perform pit work at the 244-A lift station in the 200 East Tank Farms included a facility description of an actively ventilated system (Exhauster 296-A-25). This exhauster is no longer operational. The facility description is being updated to reflect this change. The facility is passively ventilated and the monitoring system associated with active ventilation is not appropriate for passive ventilation; therefore, alternative monitoring described in the original NOC will be used. No increase in the potential-to-emit.	
Contact Name: Joel B. Hebdon	Phone: 509-372-2400
Title: Director, Regulatory Compliance and Analysis Division U.S. Department of Energy, Richland Operations Office	
FOR ECOLOGY USE ONLY	
Application Number	Date Received
Ecology Contact	
Date of Publication in Permit Register	Public Comment Period Ends

Submit with significant permit modification request or minor permit modification request